

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF U.S. 29 AND THE ACCESS ROAD TO BURNT MILLS SHOPPING CENTER IN MONTGOMERY COUNTY. IT IS ASSUMED THAT U.S. 29 RUNS IN A NORTH-SOUTH DIRECTION. L.E.D. COUNTDOWN PEDESTRIAN SIGNAL HEADS, VIDEO DETECTION CAMERAS, AND APS PEDESTRIAN PUSHBUTTONS AND SIGNS WILL BE INSTALLED AT THIS LOCATION.

INTERSECTION OPERATION

THIS INTERSECTION CURRENTLY OPERATES IN A NEMA SIX-PHASE FULL-TRAFFIC-ACTUATED MODE WITH AN EXCLUSIVE-PERMISSIVE LEFT TURN PHASE FOR NORTHBOUND AND SOUTHBOUND U.S. 29, AN ALTERNATE PEDESTRIAN PHASE FOR CROSSING THE NORTH LEG OF THE INTERSECTION, AND CONCURRENT PEDESTRIAN PHASES FOR CROSSING THE EAST AND WEST LEGS OF THE INTERSECTION.

CONTROLLER REQUIRMENTS

THE EXISTING FULL-TRAFFIC-ACTUATED EIGHT PHASE TRAFFIC SIGNAL CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE USED. AN APS CENTRAL CONTROL UNIT WILL BE INSTALLED BY THE CONTRACTOR.

CONTACT PERSONS FOR DISTRICT 3 ARE AS FOLLOWS:

MR. JEFF WENTZ
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MR. KEVIN NOWAK
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
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MR. WAYNE MOWDY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(301) 513-7304

MR. AUGIE REBISH
UTILITY ENGINEER
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CONTACT PERSONS FOR OOTS ARE AS FOLLOWS:

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MR. ROBERT SNYDER
ASSISTANT DIVISION, CHIEF
TRAFFIC OPERATIONS
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CONTACT PERSONS FOR MONTGOMERY COUNTY ARE AS FOLLOWS:

MR. KAMAL HAMUD
MONTGOMERY COUNTY DPW&T
(240) 777-8761

MR. KEITH LORD
MONTGOMERY COUNTY DPW&T
301-279-1291

NO PHASE CHANGE

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY SHA.

CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
900000	VIDEO INTERFACE EQUIPMENT	EA	1
900000	SHEET ALUMINUM SIGNS	SF	2
	2 EACH R10-4(1) (12" X 9") "COLUMBIA PIKE" POLE MOUNT		

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR.

CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
800000	F&I APS PUSHBUTTON & ASSY.	EA	2
800000	F&I 16 INCH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD	EA	2
800000	REMOVE AND DISPOSE OF EXISTING EQUIPMENT	LS	*
800000	F&I DELIVER APS CENTRAL CONTROL UNIT	EA	1
813015	INSTALL OVERHEAD SIGN	SF	2
816001	VIDEO DETECTION CAMERA	EA	4
816005	CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER	EA	2
816010	CONTROL CABLE, 500 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER	EA	2
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	275

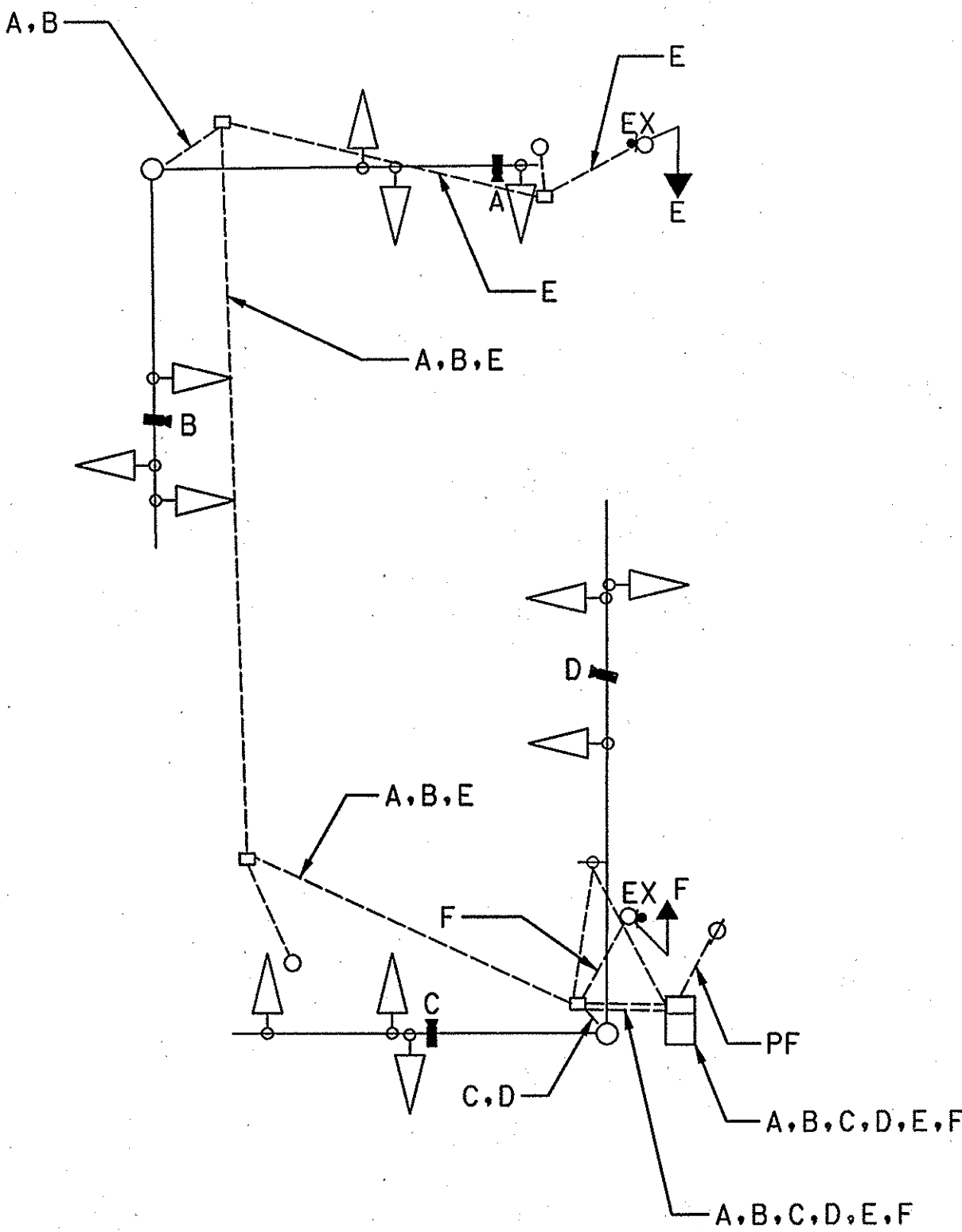
* - REMOVE AND DISPOSE QUANTITIES ARE SHOWN ON THE LAST GI SHEET

EQUIPMENT LIST "C"

C. EXISTING LOOP DETECTOR AMPLIFIERS SHALL BE REMOVED BY THE CONTRACTOR AND RETURNED TO MONTGOMERY COUNTY.

ALL OTHER UNUSED EQUIPMENT AND MATERIAL REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

WIRING DIAGRAM



WIRING KEY

A.B.C.D	CONTROL CABLE 250 FT. LENGTH
E.F	ELECTRICAL CABLE 5-CONDUCTOR (NO. 14 A.W.G.)
EX	USE EXISTING CABLE
PF	EXISTING POWER FEED



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

U.S. 29 (COLUMBIA PIKE) AND
BURNT MILLS SHOPPING CENTER

GENERAL INFORMATION SHEET

SCALE NONE DATE 11/2005 CONTRACT NO. M03755177

DESIGNED BY TC/MRB COUNTY MONTGOMERY
DRAWN BY TC/MRB LOGMILE 15002903.64
CHECKED BY DAE TMS NO. H053
FAP NO. TOD NO.

TS NO. 413D-64 DRAWING - OF SHEET NO. 6 OF 10

ADDENDUM NO.1
NEW SHEET



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FILE: \$FILES

BY: \$USER\$NAME\$